ALABAMA DEPARTMENT OF TRANSPORTATION SPECIFICATION TEXT

BID ITEM:

MINI VAN, NEW, LATEST MODEL.(Low Floor, side entrance, ramp lequipped, w/dual wheelchair stations)
STATE PURCHASING REFERENCE NUMBER: T-907

IT IS NOT THE INTENT TO WRITE OUT VENDORS/MANUFACTURERS OF SIMILAR OR EQUAL EQUIPMENT, HOWEVER IT IS INTENDED TO PROVIDE SPECIFICATIONS TO BEST MEET THE NEEDS OF TRANSIT PROVIDERS STATEWIDE AS WELL AS THE SAFETY OF THEIR PASSENGERS.

GENERAL INFORMATION:

Units under these specifications shall be adult seat passenger mini van conversion vans with side entrance manual ramp for two (2) wheelchair locations. The vans shall be new vehicles with full warranties and all parts shall be new and stocked by the distributor. The year model must be the latest current model and stated in the bid. The bidder shall describe the vehicle and equipment they propose to furnish as part of the bid.

The bidder shall certify that the vehicle(s) to be sold under this bid are the same products described in the solicitation specifications; and that the proposed manufacturer is a responsible manufacturer with the capability to produce a vehicle that meets the specifications set forth in the solicitation for bids.

The bidder shall provide a copy of the manufacturer's self-certification information that the vehicle(s) comply with the relevant Federal Motor Vehicle Safety Standards (FMVSS) per 49 CFR Part 663.

The bidder shall certify that the vehicle(s) specified in the bid meet the ADA Accessibility Guidelines for Transit Vehicles. GENERAL DIMENSIONS:

>SEATING CAPACITY

>GVWR

>WHEELBASE

7-8

5,290 LBS MINIMUM

111"-120"

CHASSIS RELATED:

ENGINE:

3.0 LITER MINIMUM, 6 CYLINDER, GAS,

EFI. OTHER ITEMS

TO INCLUDE:

SUSPENSION:

HEAVIEST-DUTY FRONT/REAR SPRINGS AND

SHOCK

ABSORBERS, PLUS OEM FRONT AND REAR

STABILIZER

BARS IF AVAILABLE.

FUEL SYSTEM:

20 GAL MIN

TRANSMISSION:

4-SPEED AUTOMATIC.

STEERING:

POWER PLUS TILT AND CRUISE.

BRAKES:

POWER, HEAVIEST-DUTY, SELF-ADJUSTING,

DUEL

HYDRAULIC, FRONT DISC. AND REAR DISC IF OEM.

4-WHEEL, ANTI-LOCK BRAKES.

EXHAUST

Stainless steel exhausts system. Must meet U.S. Government

noise level and exhaust emission requirements.

WHEELS:

STANDARD OEM

TIRES:

FIVE (5) LT215/70R-15 MINIMUM. OEM

HYDRAULIC JACK,

LUG WRENCH TO BE OEM STANDARD SECURED INSIDE VEHICLE. SPARE IS TO BE LOCATED UNDER VEHICLE.

BATTERY:

HEAVY-DUTY MAINTENANCE FREE, 12-VOLT, 500 CCA

MINIMUM

ALTERNATOR: 130 AMPS MIN.

DOORS:

FOUR DOORS, STANDARD DRIVER, CO-

PILOT, AND TWO

SIDE-SLIDING.

ALL STEPS TO

INCLUDE PAD OR STRIP OF

NON-SKID MATERIAL.

INSTRUMENTATION:

STANDARD OEM INSTRUMENTATION

AIR CONDITIONING:

HIGHEST OEM CAPACITY FRONT AND REAR, FACTORY INSTALLED. MUST PROVIDE FRESH, COLD AIR, DEFROSTER, AND HEATED AIR CONTROLLED BY

FOUR-POSITION SWITCH, OFF, LOW, MEDIUM. HIGH.

HEATING/DEFROSTING:

STANDARD OEM INCLUDING REAR DEFROSTER

WINDOWS:

MANUFACTURER'S STANDARD WINDOWS MEETING APPROPRIATE FMVSS, VENTILATING TYPE. ALL TINTED, INCLUDING WINDSHIELD. FULL VAN

WINDOW GLASS ALL AROUND.

BODY-EXTERIOR:

MIRRORS:

OEM STANDARD REARVIEW. RIGHT AND

LEFT HAND

LOW MOUNT FOLDAWAY MIRRORS.

COLOR:

MANUFACTURER'S STANDARD BRIGHT WHITE EXTERIOR. STRIPING IS ALSO REQUIRED AND IS TO RUN THE APPROXIMATE LENGTH OF THE VEHICLE ON BOTH SIDES AND BE 8" IN WIDTH. STRIPE TO BE 1" BELOW PASSENGER WINDOWS. STRIPING WILL BE BLUE, GREEN OR BURGUNDY. STRIPE COLOR WILL BE NOTED AT TIME OF ORDER, ALL COLORS WILL BE APPROVED BY ALDOT PRIOR TO AWARD OF BID.

WINDSHIELD WIPERS:

TWO-SPEED ELECTRIC WITH INTERMITTENT FEATURE

EXTERIOR LIGHTING:

All exterior lighting will be Manufacturer's standard equipment and must meet U.S. Department of Transportation requirements.

Directional signals shall meet all Federal Motor Vehicle Standards, frontand rear. In addition to directional signals, rear lamps shall consist of red combination stop/tail lights.

- Four-way emergency flasher must be provided.
- A rear license plate light shall be provided.
- Two back-up lights shall be provided, automatically switched when vehicle is in reverse. Lighting over wheel chair ramp door shall be in accordance with ADA requirements.

UNDERCOATING

Complete undercoating with corrosion protection minimum 10-year warranty

BODY-INTERIOR:

SEATING:

The driver's seat is to be high backed with armrests including retractable seatbelt and shoulder harness. The driver seat will be power adjustable.

The front passenger seat is to be removable to allow for forward facing wheelchair position, high backed with armrests including retractable seatbelt and shoulder harness.

Additional passenger seats include a 3-Passenger stationary bench seat across the rear of the van. Retractable seatbelts are to be located at each passenger seating position.

Two forward facing wheel chair positions. The wheelchair positions must meet the requirements of the ADA act.

Extra-long seat belts with shoulder harness and lap belts shall be

provided at wheel chair positions to accommodate wheel chair and passenger. All vehicles must have a pouch mounted to store these devices when they're not in use.

All seats are to be covered in vinyl or upholstery blue or gray in materials that meet FMVSS 302 burn resistance requirements.

Two sets of seat belt extensions shall be provided.

FLOORING:

VINYL OR RUBBER FLOORING PREFERRED.

OEM ACCEPTABLE

INTERIOR

LIGHTING:

STANDARD OEM

RADIO:

OEM AM-FM STEREO TO INCLUDE FOUR SPEAKERS,

TWO FRONT AND TWO REAR.

FIRE EXTINGUISHER

One (1) five (5) pound dry-chemical type with flexible discharge hose of sufficient length for directional use extinguisher is to be mounted securely in bracket near the driver in full view and instantly accessible.

BIOHAZARD KIT

One (1) kit mounted to meet OSHA bloodborne pathogens spill clean up kit, regulation CFR1910.1030.

FIRST AID KIT

Kit with metal case mounted securely to the inside of the vehicle near driver 16 unit conforms to D.O.T. and OSHA requirements.

LUG-WHEEL JACK

Standard mounted.

REFLECTIVE KIT

One (1) D.O.T. reflective triangle kit-mounted.

Construction

The entire body structure shall be built as an integral unit adequately reinforced at all joints and corners where stress concentration may occur to adequately carry required loads and withstand road shock. Steel safety frame (floor, walls, roof, front, and rear) shall be securely welded together to provide an integral one-piece body structure. Exterior body skin to be galvanized steel. No fasteners to be exposed to exterior finish.

Modifications

All modifications shall be effected in good workmanlike manner. Sheet metal fit-ups shall be properly executed and concealed. Paint finish and window glass shall be free of any defects due to welding or re-assembly.

Modifications to OEM floor plan/frame shall be of highest possible quality construction. Modification of floor and frame shall provide reinforcement to a degree that the structural integrity of the OEM vehicle is not degraded. Any such modifications shall be properly sealed to prevent entrance of exhaust fumes, moisture, and dust.

All welds shall be made in a workmanlike manner, properly fused, of ample penetration, and shall, on all exposed surfaces where practicable, be smoothly finished. Intermittent or spot welds shall be spaced and proportioned as to provide ample strength for the purpose. All welded joints shall be spaced and proportioned as to provide ample strength for the purpose. All welded joints shall be cleaned and primed. All welds shall be relatively free of slag inclusions, undercut, roll, blowholes, unfilled craters, improper fit-up and porosity. Fillet weld sizes shall be at least equal to the thickness of the least of the joined plates.

Lowered Floor Material Specifications

All flooring modifications shall be executed in 14-gauge sheet metal. Such modifications shall not degrade the structural integrity of the OEM vehicle.

The lowered floor shall be securely fastened to steel chassis or body and covered from wall to wall with industrial grade, non-slip vinyl flooring with raised mineral aggregate discs. All edges will be properly sealed to prevent entrance of moisture that could cause bulging, ply-separation and/or material failure.

All joints will be butt type. Floor covering shall be carpet or transit type vinyl, consistent with the manufacturer's standard issue.

Due to lowering of the floor, the fuel tank shall be moved forward. A full-length fuel tank skid plate shall be provided, that protects the front, underside and rear of the fuel tank. The skid plate shall be constructed of 12-gauge material, and bolted to the frame.

The entire body frame understructure of the vehicle shall be rust proofed and fully undercoated with non-flanunable material. Such material shall be applied in a

continuous and uniform coating to all-metal panels and splash pans under the vehicle for protection against rust and corrosion.

Ramp

The ramp shall be a manually operated fold down type. The ramp shall provide a straight inclined surface from the ground to the van floor level. This should be approximately 10" from the van floor level to ground level. The ramp shall allow a wheelchair containing a handicapped person to be pushed from the ground level into each van or rolled out of each van down to ground level. Protective edge flanges shall be provided on the ramp to prevent the wheels of a wheelchair from rolling off the edge of the ramp. No center steps or toe-cleats will be allowed with this conversion.

The ramp shall have a width of at least 30" and length of 53 1/2" at minimum. The gradient must meet ADA requirements.

The ramp shall be constructed of 1/4" diamond plate aluminum.

Ramp Side Door

The ramp shall be manual, mounted to the chassis frame without structural changes in the frame and located at the side of the van. The door that the ramp is located shall have a minimum height of 56" and minimum width of 30". The wheelchair lift door shall be constructed of gauge steel.

Ramp Capacity

Minimum of 800 pounds.

Mechanism

Shall be manual type. Nonworking parts, such as platform, frame, and attachment hardware that would not be expected to wear, shall have a safety factor of at least three, based on the ultimate strength of the material.

Controls

Shall provide other appropriate fail-safe mechanisms or systems, to ensure that the vehicle cannot be moved when the <u>ramp</u> is not stowed and so the ramp cannot be deployed unless the interlocks or systems are engaged.

Wheelchair ramp must meet the requirements of ADA.

Emergency Controls

No emergency method, manual or otherwise, shall be capable of being operated in a manner that could be hazardous to the ramp occupant or to the operator.

Ramp Platform Surface

The platform surface shall be free of any protrusions over 1/4 inch high and shall be nonskid-expanded metal, mesh or equivalent, to allow for vision through the platform. The platform shall have a minimum clear width of 30 inches measured from the platform surface to 30 inches above the platform and a minimum clear length of 531/2 inches measured from 2 inches above the surface of the platform.

Securement Devises

Location and Size: The securement system shall be placed as near to the accessible entrance as practical and shall have a clear floor area of 30 inches by approximately 44 inches. Not more than 6 inches of the required clear floor space may be accommodated for footrests under another seat provided there is a minimum of 9 inches from the floor to the lowest part of the seat overhanging the space. Securement areas are to have 3-Passenger easy out roller bench style seat to accommodate other passengers when a wheelchair or mobility aid is not occupying the area. The seats, when taken out, shall not obstruct the clear floor space required.

Mobility Aid Accommodation: The securement system shall secure common wheel chairs and mobility aids and shall be easily attached by a person familiar with the system and mobility aid and having average dexterity. Wheelchair securing spaces shall be located so that the wheelchairs are locked. Tie downs for wheelchair positions are to be of the four-point system with four tie downs securing the chair to the floor of the vehicle. This system must be able to withstand a crash test of 30 mph and 20 g's without damage to the wheelchair or its occupant. Must be a complete package.

<u>Seat belts and shoulder harnesses</u> with heavy-duty retractors and sleeves to keep belts off the floor shall be provided for each wheel chair position.

Orientation: The securement shall be installed so that the secure wheelchair or mobility aid is facing toward the front of the vehicle.

Movement: When the wheelchair or mobility aid is secured in accordance with manufacturer's instructions, the securement system shall limit the movement of an occupied wheelchair or mobility aid to no more than 2 inches in any direction.

Stowage: When not being used, the securement system shall not interfere with passenger movement, shall not present any hazardous condition, and shall be reasonably protected from vandalism.

Platform Gaps: Any openings between the platform surface and the raised barriers shall not exceed 5/8 inch wide. When the platform is at vehicle floor height with the inner barrier down or retracted, gaps between the forward edge of the ramp

shall not exceed 2 inch horizontally and 5/8 inch vertically. The ramp shall be furnished with reflector tape on each side.

Platform Barriers: The ramp platform shall be equipped with barriers to prevent any of the wheels of a wheelchair or mobility aid from rolling off the platform.

Boarding Direction: The ramp shall permit both inboard and outboard facing of wheelchairs and mobility aids.

Securement packages (includes shoulder and lap belt) will include the below listed options. The purchaser of the vehicle will have the option to choose which system they desire:

- (1) Kinedyne #AL712S-4C L
- (2) Q-Straint #Q-8300-A1T-L
- (3) or approved equal

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Inside Track: The inside track shall be approximately 54" long and a minimum of 44" wide. The height at the back of the track shall be approximately 16" high.

COMPLIANCE:	MY BID MEETS OR EXCEEDS EVERY SPECIFICATION. YESNO	
	LIST EVERY DEVIATION FROM SPECIFICATION	
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PLEASE ATTACH APROPRIATE DOCUMENTATION TO PROVE DEVIATION IS EQUAL TO OR GREATER THAN SPECIFICATION

ADDITIONAL REQUIREMENTS:

DOCUMENTATION REQUIRED WITH EACH VEHICLE DELIVERED.

>CERTIFICATE OF ORIGIN >BILL OF SALE

- >CHECK FOR APPLICATION FOR TITLE (TO END USER)
- >WARRANTY PAPERS
- >MAINTENANCE SCHEDULE
- >SPARE KEY(S)
- >OPERATOR'S MANUAL
- >ALL REQUIRED CERTIFICATIONS
- >QUALITY CONTROL CHECKLISTS
- >VENDOR CUSTOMER SERVICE GUIDE

TRAINING:

MANUFACTURER WILL PROVIDE UP TO EIGHT (8) HOURS OF TRAINING THAT WILL BE GIVEN TO REPRESENTATIVES OF THE END USER AGENCY, AT THE SUCCESSFUL BIDDER'S EXPENSE. THE TRAINING WILL CONSIST OF ALL AREAS OF PRODUCTION, PREVENTIVE MAINTENANCE, WARRANTY PROCEDURES, ETC. TIME AND PLACE OF TRAINING TO BE ESTABLISHED BY ALDOT.

TESTS AND TESTING:

THE COMPLETE VEHICLE AND ALL WORKING AND MOVING PARTS AND OPERATING DEVICES WILL BE THOROUGHLY TESTED AND PUT IN OPERATING CONDITION BY THE MANUFACTURER. ANY DEALER IDENTIFICATION, ADVERTISING, OR SIMILAR MATERIAL WILL NOT BE ATTACHED TO THE VEHICLE.

PRIOR TO ACCEPTANCE OF VEHICLE, MANUFACTURER WILL SERVICE AND ADJUST VEHICLE FOR OPERATION TO INCLUDE, AS A MINIMUM, THE FOLLOWING:

- A. FOCUSING OF LIGHTS
- B. TUNING OF ENGINE
- C. ADJUSTMENT OF ACCESSORIES
- D. CHECKING OF ELECTRICAL, BRAKING AND

SUSPENSION SYSTEM

- E. CHARGING OF BATTERY
- F. INFLATION OF TIRES
- G. BALANCING OF ALL WHEELS, INCLUDING SPARE
- H. COMPLETE LUBRICATION OF ENGINE, CHASSIS AND OPERATING MECHANISMS WITH RECOMMENDED GRADES OF LUBRICANTS FOR THE AMBIENT TEMPERATURE AT THE POINT OF DELIVERY
- I. SERVICING OF COOLING SYSTEM WITH PERMANENT TYPE ANTIFREEZE AND SUMMER COOLANT FOR MINUS 20 DEGREES FAHRENHEIT
- J. SERVICING WINDSHIELD WASHER WITH WATER AND

APPROPRIATE ADDITIVES K. FULL TANK OF FUEL.

CERTIFICATIONS: WORKMANSHIP:

WORKMANSHIP THROUGHOUT THE VEHICLE WILL CONFORM TO THE HIGHEST STANDARD OF COMMERCIALLY ACCEPTED PRACTICE FOR THE CLASS OF WORK AND SHALL RESULT IN A NEAT AND FINISHED APPEARANCE. THE DESIGN OF THE BODY AND EQUIPMENT WHICH THE MANUFACTURER PROPOSES TO FURNISH MUST BE SUCH AS TO PROVIDE A VEHICLE OF SUBSTANTIAL AND DURABLE CONSTRUCTION IN ALL RESPECTS.

WELDING PROCEDURES, WELDING MATERIALS, AND **OUALIFICATIONS OF OPERATORS WILL BE IN** ACCORDANCE WITH STANDARDS OF THE AMERICAN SOCIETY OF TESTING MATERIALS AND THE AMERICAN WELDING SOCIETY. ALL WELDS VISIBLE TO THE PUBLIC WILL BE GROUND SMOOTH AFTER THE WELDING TO PRESENT A SMOOTH, WORKMANLIKE APPEARANCE. WHERE METAL IS WELDED TO METAL, THE CONTACT SURFACE WILL BE FREE OF SCALE, GREASE, AND PAINT. ALL EXPOSED SURFACES AND EDGES WILL BE SMOOTH, FREE FROM BURRS AND OTHER PROJECTIONS AND WILL BE NEATLY FINISHED. ALL PARTS WILL BE NEW AND IN NO CASE WILL USED. RECONDITIONED, OR OBSOLETE PARTS BE ACCEPTED.

WARRANTIES:

THE MANUFACTURER WILL STATE THE TERMS AND CONDITIONS OF THE VEHICLE WARRANTY. IN NO CASE WILL THE WARRANTY BE LESS THAN 7 YEARS OR 70,000 MILES ON THE MECHANICAL COMPONENTS OF THE VEHICLE.
THE MANUFACTURER WILL STATE WHERE WARRANTY MAINTENANCE WORK MAY BE OBTAINED IN ALABAMA. ANY AND ALL MATERIALS, SPECIALITIES, EQUIPMENT OR ACCESSORIES THAT PROVE DEFECTIVE IN NORMAL OPERATION WITHIN THE ABOVE PERIOD WILL BE REPLACED OR REPAIRED BY THE MANUFACTURER FREE OF ANY AND

ALL COST TO THE VEHICLE OPERATOR, INCLUDING MATERIAL AND LABOR. WARRANTY REPLACEMENT AND/OR REPAIRS WILL BE FURNISHED PROMPTLY BY THE SUCCESSFUL BIDDER, NOT TO EXCEED 10 DAYS FOR BODY PARTS AND 3 DAYS FOR OTHER PARTS. THE BIDDER WILL PROVIDE WRITTEN ASSURANCE WITH THE BID PACKAGE REGARDING WARRANTY REPAIRS.

DELIVERY:

EACH VEHICLE MUST BE DELIVERED IN 'SHOWROOM' CONDITION.

POST-DELIVERY SURVEY:

THE SUCCESSFUL VENDOR SHALL CONDUCT A SURVEY OF END USERS UPON COMPLETION OF THE CONTRACT (DELIVERY AND ACCEPTANCE OF LAST VEHICLE ORDERED). THE SURVEY SHALL INCLUDE (BUT NOT BE LIMITED TO) PRODUCT SATISFACTION. PROBLEMS, ETC. ALSO TO BE INCLUDED IN THE SURVEY IS THE CONTACT PERSON FOR THE END USER WHO HAS RESPONSIBILITY FOR THE PREVENTIVE MAINTENANCE PROGRAM (PMP). THE PMP SHALL INCLUDE VEHICLE CHASSIS, BODY, AIR CONDITIONING UNIT(S). IN ADDITION, THE SURVEY SHALL INCLUDE THE VENDOR CONTACT PERSON FOR WARRANTY QUESTIONS/ISSUES. THE END USER SHALL ALSO PROVIDE THE VENDOR WITH A CONTACT PERSON FOR WARRANTY RESPONSIBILITY. THE SURVEY SHALL BE COMPLETED NOT LESS THAN 90 DAY AFTER FINAL DELIVERY TO ALDOT. THE VENDOR SHALL COMPILE THE RESULTS AND SUPPLY A COPY TO ALDOT.

DOCUMENTATION:

REQUIRED DOCUMENTS/BID ATTACHMENTS

NOTE: ALL REQUIRED ATTACHMENTS, CERTIFICATIONS, ETC MUST BE ATTACHED TO THIS LIST AND BE IDENTIFIED ACORDINGLY

DOCUMENT	REQUIRED DOCUMENT
REFERENCE	
ATTACHMENT-A	COPY OF CHASSIS MANUFACTURER'S
	INVOICE TO BODY MFG
ATTACHMENT-B	IN-PLANT QUALITY ASSURANCE
ATTACHMENT-C	QUALIFICATION /STATEWIDE
	CONTRACTS/REFERENCES
ATTACHMENT-D	BIDDER CERTIFICATIONS (FTA)
ATTACHMENT-E	BUS TESTING EXEC SUMMARY-IF
	APPLICABLE
ATTACHMENT-F	MFG WARRANTY PAPERS CHASSIS,
	BODY, ADDITIONAL EQUIP
ATTACHMENT-G	VENDOR CUSTOMER SERVICE GUIDE
ATTACHMENT-H	CERTIFICATION ALL
	WORKING/MOVING PARTS,
	OPERATING DEVICES PROPERLY
	TESTED, SERVICED AND ADJUSTED.
ATTACHMENT-I	ISO 9001 DOCUMENTATION
ATTACHMENT-J	CERTIFICATION OF HORSEPOWER OF
	ENGINE FURNISHED IS ADEQUATE
	FOR THE SPEED RANGE AND TERRAIN
	IN WHICH IT WILL BE REQUIRED TO
	OPERATE AND THAT IT WILL ALSO
	MEET THE DEMANDS OF ALL
	AUXILIARY POWER EQUIPMENT
ATTACHMENT-K	PLEASE ATTACH APROPRIATE
	DOCUMENTATION TO PROVE
	DEVIATION IS EQUAL TO OR EXCEEDS
	SPECIFICATIONS

^{*}ALL CERTIFICATIONS MUST BE SIGNED BY AN APPROPRIATE REPRESENTATIVE OF THE BIDDER OR MANUFACTURER AND PROPERLY NOTARIZED.

^{*}NOTE: ANY CERTIFICATION SUBSEQUENTLY FOUND TO BE FALSIFIED OR OTHERWISE MISREPRESENTED WILL RESULT IN THE AUTOMATIC REJECTION OF THE BID AND WILL AFFECT THAT PARTICULAR VENDOR OR MANUFACTURER'S ABILITY TO BID ON FUTURE STATE CONTRACTS

ACCESSORY FEATURES

The following equipment, when specified will be furnished. NOTE: BIDDER IS RESPONSIBLE FOR FURNISHING REQUIRED EQUIPMENT TO ENABLE THE VEHICLE TO MEET OR EXCEED THE SPECIFIED GVWR WHEN ACCESSORY EQUIPMENT IS REQUESTED. A separate price list will be provided for all ACCESSORY equipment.

Such accessory items will be a part of the bid specifications. The award of the contract will be based on the base price of the vehicle plus options/accessories and the lowest responsive/responsible bid.

- --- Vehicle Lettering: 'Public Transportation' on front/rear end caps, plus Agency name/telephone on sides. For 5307-5311 Grantees. All lettering must be 6" and centered.
- --- Vehicle Lettering: Agency name/telephone on sides. For 5310 Grantees. All lettering must be 6" and centered.